

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H03D7/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H03D H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/129958 A1 (BEHZAD ARYA REZA) 10 July 2003 (2003-07-10) paragraph '0022!; figure 6 paragraph '0028! - paragraph '0030!	1-11
Y	EP 0 410 295 A (MOTOROLA INC) 30 January 1991 (1991-01-30) the whole document	1-11
A	KASSIM A K ET AL: "Tail current flicker noise reduction in LC VCOs by complementary switched biasing" ICM 2003, 9 December 2003 (2003-12-09), pages 102-105, XP010697431 CAIRO, EGYPT the whole document	1-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

19 October 2004

Date of mailing of the international search report

27/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Beasley-Suffolk, D

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 392 112 A (SCHADE JR OTTO H) 5 July 1983 (1983-07-05) the whole document -----	1-11

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/IB2004/000164

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003129958	A1	10-07-2003	NONE	
EP 0410295	A	30-01-1991	US 4947135 A DE 69026435 D1 DE 69026435 T2 EP 0410295 A2	07-08-1990 15-05-1996 31-10-1996 30-01-1991
US 4392112	A	05-07-1983	NONE	

BEST AVAILABLE COPY